Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Modified Estimated for Improvements & Asphalting to 1st & 2nd Main road of BHEL mini Colony & other roads in Mallasandra, in Shettyhalli Sub Division, Ward No.13

Est.Cost Rs 49.90Lakhs

Sl. No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
1	KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 152/ Item No. 19.1/ PWD SR 2013-14								
	1st main	Cum	2	180.00	0.75	0.30	81.00		
	2nd Main		1	170.00	1.20	0.30	61.20		
	22th cross		1	82.00	1.00	0.30	24.60		
	18th cross		2	95.00	1.00	0.30	57.00		
	17th cross		2	95.00	1.00	0.30	57.00		
	pipeline		1	300.00	1.60	0.30	144.00		
	16 'B' Cross		1	95.00	0.75	0.30	21.38		
	16 'c' Cross		1	95.00	0.75	0.30	21.38		
	16 'D' Cross		2	132.00	1.00	0.30	79.20		
	Vishala Public School		2	300.00	0.75	0.30	135.00		
	Shivananda Road		2	195.00	0.75	0.30	87.75		
	5th Cross		2	155.00	0.75	0.30	69.75		
	6th Cross		2	84.00	0.75	0.30	37.80		
							877.05	65.88	**57780.00**
	Basic Rate	61.00							
	Area Weightage 8%	4.88							
		65.88							
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406 Page No. 170/ Item No. 20.18/ PWD SR 2013-14							cum	
			2	180.00	0.75	0.25	67.50		
			1	170.00	1.20	0.25	51.00		
			1	82.00	1.00	0.25	20.50		
			2	95.00	1.00	0.25	47.50		
			2	95.00	1.00	0.25	47.50		
			1	300.00	1.60	0.25	120.00		
			1	95.00	0.75	0.25	17.81		
			1	95.00	0.75	0.25	17.81		
			2	132.00	1.00	0.25	66.00		
			2	300.00	0.75	0.25	112.50		
			2	195.00	0.75	0.25	73.13		
			2	155.00	0.75	0.25	58.13		
			2	84.00	0.75	0.25	31.50		
							730.88	1121.04	**819340.00**
	Basic Rate	1,038.00							
	Area Weightage 8%	83.04							
		1,121.04							
3	KSRRB 500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH specification No. 502 Page No. 175/ Item No. 21.6/ PWD SR 2013-14							Sqm	
			2	180.00	0.75		270.00		
			1	170.00	1.20		204.00		
			1	82.00	1.00		82.00		
			2	95.00	1.00		190.00		
			2	95.00	1.00		190.00		

			1	300.00	1.60		480.00		
			1	95.00	0.75		71.25		
			1	95.00	0.75		71.25		
			2	132.00	1.00		264.00		
			2	300.00	0.75		450.00		
			2	195.00	0.75		292.50		
			2	155.00	0.75		232.50		
			2	84.00	0.75		126.00		
							2923.50	44.28	**129453.00**
	Basic Rate	41.00							
	Area Weightage 8%	3.28							
		44.28							
4	KSRRB M500-11: Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75 mm compacted thickness with 3.3% bitumen but excluding cost of primer/ tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. With 80/100 Grade bitumen Page No. 176/ Item No. 21.11.1/ PWD SR 2013-14							Cum	
	For camber correction & Deprestion fillings for Total Length								
			2	180.00	0.75	0.05	13.50		
			1	170.00	1.20	0.05	10.20		
			1	82.00	1.00	0.05	4.10		
			2	95.00	1.00	0.05	9.50		
			2	95.00	1.00	0.05	9.50		
			1	300.00	1.60	0.05	24.00		
			1	95.00	0.75	0.05	3.56		
			1	95.00	0.75	0.05	3.56		
			2	132.00	1.00	0.05	13.20		
			2	300.00	0.75	0.05	22.50		
			2	195.00	0.75	0.05	14.63		
			2	155.00	0.75	0.05	11.63		
			2	84.00	0.75	0.05	6.30		
							146.18	6646.32	**971526.00**
	Basic Rate	6,154.00							
	Area Weightage 8%	492.32							
		6,646.32							
5	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 175/ Item No. 21.2/ PWD SR 2013-14							Sqm	
			1	180.00	3.50		630.00		
			1	170.00	4.50		765.00		
			1	82.00	4.00		328.00		
			1	71.00	4.80		340.80		
			1	54.00	4.50		243.00		
			1	300.00	7.30		2190.00		
			1	95.00	4.20		399.00		
			1	95.00	4.00		380.00		
			1	132.00	4.50		594.00		
			1	300.00	5.00		1500.00		
			1	195.00	4.80		936.00		
			1	155.00	4.50		697.50		
			1	84.00	4.50		378.00		
				1829.00			**9381.30**	2.59	**24316.00**
	Basic Rate	2.40							
	Area Weightage 8%	0.19							
		2.59							

	RB M500-10: Tack coat:- Providing and laying tack coat with bitumen emulsion using sion pressure distributor at the rate of 0.20 kg per sqm on the prepared ituminous/Granular surface cleaned with mechanical broom. Complete as per specifications. MORTH Specification No. 503. using bitumen emulsion Page No. 176/Item							Sqm	
			1	180.00	3.50		630.00		
			1	170.00	4.50		765.00		
			1	82.00	4.00		328.00		
			1	71.00	4.80		340.80		
			1	54.00	4.50		243.00		
			1	300.00	7.30		2190.00		
			1	95.00	4.20		399.00		
			1	95.00	4.00		380.00		
			1	132.00	4.50		594.00		
			1	300.00	5.00		1500.00		
			1	195.00	4.80		936.00		
			1	155.00	4.50		697.50		
			1	84.00	4.50		378.00		
							9381.30	11.99	**112463.00**
	Basic Rate	11.10							
	Area Weightage 8%	0.89							
		11.99							
7	KSRRB M500-18: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% Bitumen 80/100 grade (Grading II) Page No. 178/ Item No.							Cum	
	1st main		1	180.00	3.50	0.025	15.75		
	2nd Main		1	170.00	4.50	0.025	19.13		
	22th cross		1	82.00	4.00	0.025	8.20		
	18th cross		1	71.00	4.80	0.025	8.52		
	17th cross		1	54.00	4.50	0.025	6.08		
	pipeline		1	300.00	7.30	0.025	54.75		
	16 'B' Cross		1	95.00	4.20	0.025	9.98		
	16 'c' Cross		1	95.00	4.00	0.025	9.50		
	16 'D' Cross		1	132.00	4.50	0.025	14.85		
	Vishala Public School		1	300.00	5.00	0.025	37.50		
	Shivananda Road		1	195.00	4.80	0.025	23.40		
	5th Cross		1	155.00	4.50	0.025	17.44		
	6th Cross		1	84.00	4.50	0.025	9.45		
							234.53	9631.44	**2258886.00**
	Basic Rate	8,918.00							
	Area Weightage 8%	713.44							
		9,631.44							
8	KSRRB 400-1.3: Carriage of mixed materials 10 Kms, For items of Sl.no 1.c) rs. 5.20 per cum/km Page no 186/ PWD SR 2013-14							Cum	
	Qty.vide item No. 5 + 8						380.71		
	(10 kms x 5.20)						**380.71**	56.16	**21381.00**
	Basic Rate	52.00							
	Area Weightage 8%	4.16							
		56.16							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1							Cum	
	Qty Vide Item No=1						**877.05**		
	Qty Limited to						**877.05**	72.71	**63766.00**
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							

	Area Weightage @ 8%	5.39							
	Total	**72.71**							
								Total	**4494143.00**
11	Add: KRIDL Service charges @ 10% + Labour Cess charges @ 1%								
12	Miscellaneous and other unforseen charges + QC testing charges								
								Total	**4990000.00**

(Rupees FourtyNine Lakhs Ninety Thousand Only)

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2013-14
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-13

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

Job code No : 012-13-000038,
Rs : 49.00 Lakhs.
P. code : 2201/a

QC/02/TS/67/14-15
ದಿನಾಂಕ : 20/5/2014
ರೂ. 49.90 Lakhs (Rupees forty nine lakhs ninety thousand only)
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.